



Main Features

- Intel® Core™ Ultra U Processor Series
- Support Intel® AMT technology
- 2 x DDR5 5600 SO-DIMM, up to 96GB
- 2 x HDMI 2.0, up to 4096x2160@60Hz
- 2 x Intel® LAN port
- 1 x USB 3.2 Gen 1x1, and 3 x USB 2.0
- TPM 2.0 on board for security
- 1 x M.2 Key B 3052/2242 for optional 5G/LTE module
- 1 x M.2 Key E 2230 for optional Wi-Fi module
- 1 x M.2 Key M 2280 for optional SSD
- Support 12V to 24V DC power input

Product Overview

The NDiS B363 Visual Edge Computer harnesses the power of Intel® Core™ Ultra 7 and 5 processors, featuring an integrated NPU for AI inference. This advanced architecture optimizes workloads across the CPU, GPU, and NPU, enabling up to 22.5 TOPS of AI computing power with exceptional energy efficiency.

Dual HDMI® 2.0 ports deliver exceptional visuals, and a variety of I/O interfaces support a wide range of AI applications. Designed to operate in extreme temperatures from 0°C to 60°C, the NDiS B363 is ideal for semi-outdoor applications such as self-service kiosks, recycling machines, and intelligent parking systems.

Specifications

System

- Intel® Core Ultra 7 processor 265U, 15W
- Intel® Core Ultra 7 processor 255U, 15W
- Intel® Core Ultra 5 processor 235U, 15W
- Intel® Core Ultra 5 processor 225U, 15W

* Only 265U/235U support Intel® AMT

Main Memory

- 2 x DDR5 5600 SO-DIMM, non-ECC, unbuffered, up to 96GB

Graphic & Display

- Intel® Graphics
- 2 x HDMI® 2.0, up to 4096x2160@60Hz

Storage device

- 1 x M.2 Key M 2280 for optional SSD (PCIe 3.0 x4, SATA 3.0)

Expansion

- 1 x M.2 Key E 2230, supports Wi-Fi module (PCIe 3.0 x1, USB 2.0)
- 1 x M.2 Key B 3052/2242, supports 5G/LTE module (PCIe 3.0 x1, USB 3.0, USB 2.0)

I/O Interface-Rear

- 1 x Power button with LED
- 2 x HDMI® 2.0, up to 4096 x 2160@60Hz
- 1 x 2.5GbE RJ45 port, Intel® i226
- 1 x GbE RJ45 port, Intel® I219
- 1 x USB 3.2 Gen 1x1, Type-A
- 3 x USB 2.0
- +12V-24V DC In

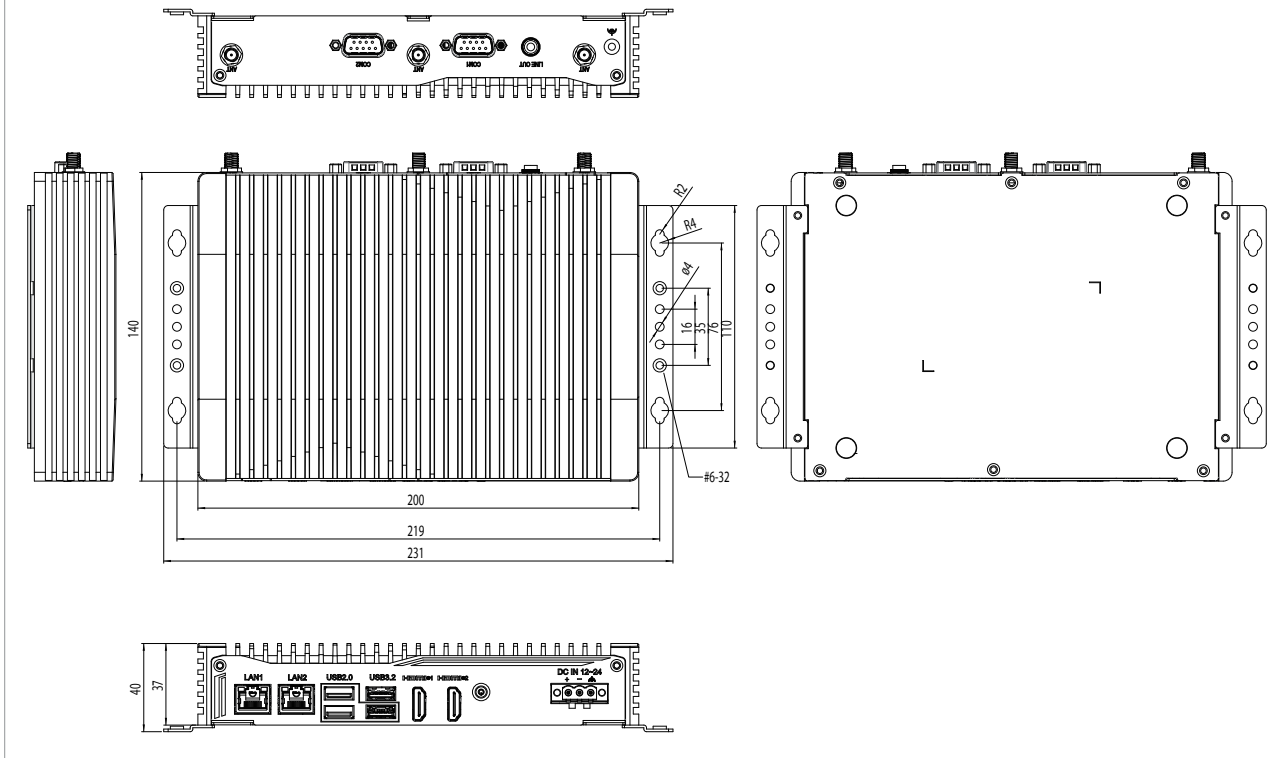
I/O Interface-Front

- 1 x Line out
- 2 x COM Port, supports RS-232/422/485
- 3 x Antenna hole

I/O Interface-Internal

- 2 x 6-pin header for 4 x USB 2.0 port
- 4 x 9-pin header for COM port RS-232 (reserved)
- 1 x 10-pin header for GPIO, 4 x DI, 4 x DO
- 1 x 4-pin header for 2W/4Ω speaker out
- 1 x 9-pin header, supports Mic in and Line out
- 1 x 2-pin header for Reset

Dimension Drawing



Mechanical & Dimension

- System Unit
 - Dimension: 200mm (W) x 140mm (D) x 37mm (H) w/o bracket
 - Net weight: 1.26 kg/Unit
- Package Carton
 - Dimension: 300mm (W) x 270mm (D) x 205mm (H)
 - Gross weight : 2.54 kg (1 unit/per carton)

Power Supply

- DC 12V to 24V input

Environment

- Operating temperature
 - Ambient with air flow: 0°C~55°C (Core Ultra 7-265U & 255U)
 - Ambient with air flow: 0°C~60°C (Core Ultra 5-235U & 225U)
 - Storage temperature: -20°C~80°C
- Relative humidity: 0%~90% (non-condensing)
- Shock protection: 50G peak acceleration, 11ms according to IEC 60068-2-27
- Vibration protection
 - Random: 2Grms@5~500Hz, IEC 60068-2-64
 - Sinusoidal: 2G@5~500Hz, IEC 60068-2-6

Operating System

- Windows 11
- Windows 10, 64bit
- Linux

Certifications

- CE Approval (EN 50035 + EN 50032)
- FCC Class A (Part 15B)
- LVD (EN 62368-1)

Ordering Information

- **NDIS B363-265U (P/N:10W00B36303X0)**
Fanless Visual Edge Computer, Arrow Lake U Core™ Ultra 7 Processor 265U
- **NDiS B363-255U (P/N:10W00B36302X0)**
Fanless Visual Edge Computer, Arrow Lake U Core™ Ultra 7 Processor 255U
- **NDiS B363-235U (P/N:10W00B36301X0)**
Fanless Visual Edge Computer, Arrow Lake U Core™ Ultra 5 Processor 235U
- **NDIS B363-225U (P/N:10W00B36300X0)**
Fanless Visual Edge Computer, Arrow Lake U Core™ Ultra 5 Processor 225U